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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/727,858	12/04/2003	Timothy Graham Brockwell	FBD-1010USC	7915
43840 7590 07/16/2007 WATERS INVESTMENTS LIMITED C/O WATERS CORPORATION 34 MAPLE STREET - LG MILFORD, MA 01757			EXAMINER HYLTON, ROBIN ANNETTE	
			ART UNIT 3781	PAPER NUMBER
			MAIL DATE 07/16/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/727,858		BROCKWELL, TIMOTHY GRAHAM	
	<b>Examiner</b>		<b>Art Unit</b>	
	Robin A. Hylton		3781	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 05 April 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 4,6-8,10,11,13,14,16 and 18-21 is/are pending in the application.
- 4a) Of the above claim(s) 8 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 13,14,16 and 18-21 is/are allowed.
- 6) ☒ Claim(s) 4,6-8,10 and 11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Election/Restrictions***

1. Claim 8 is further withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on February 23, 2006.

Claim 8 was erroneously identified as reading on the elected species. However, the species of Fig. 2 does not comprise a second seal that closes an interior of the tubular body member in the absence of a gas sampling device.

***Claim Rejections - 35 USC § 112***

2. Claims 4,6-8,10, and 11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Specifically, the claims are rejected for the following reasons:

How is it possible for the valve axis and the sampling axis be disposed so that the valve body prevents a gas sampling device from being inserted into the vial beyond the valve body? It appears the sampling axis and the valve axis are both longitudinally arranged along the vertical axis of the valve. Since an axis extends infinity, it is unclear how the axes of the claim can be disposed to prevent the insertion of the sampling device into the valve body.

How is the second seal "arranged" on the sampling axis? It appears it is arranged on the valve body.

Dependent claims not specifically mentioned are rejected as depending from rejected base claims since they inherently contain the same deficiencies therein.

***Claim Rejections - 35 USC § 103***

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

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4. Claims 6,7, and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brony (US 5,620,434).

Brony discloses a vial **v** and a closure device, said closure device comprising a tubular body **18** having an aperture **74** for establishing fluid communication between the interior of said vial and the interior of said tubular body, a first seal for establishing a substantially gas tight seal between the exterior of the tubular body and the vial as seen in figure 7 to be the surface of the tubular body contacting the vial, a valve seat on the outermost surface of the body which is larger in diameter than the aperture, a resiliently biased, movable valve **71** located within the tubular body, said valve body maintained in contact by means of a spring **76**, and a second seal permitting a gas sampling means to be inserted into the interior of the tubular body and establishing a substantially gas-tight seal with the exterior of an inserted gas sampling means as seen in figure 7 at the uppermost portion of the closure, said valve body preventing said gas sampling means from being inserted beyond the valve body into the vial. The closure device is capable of closing a gas sampling vial.

Brony does not teach a tapered first seal surface for engaging a tapered socket on an associated vial.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the first seal surface a tapered shape since such a modification would have involved a mere change in the shape of a component. A change in shape is generally recognized as being within the level of ordinary skill in the art. Doing so allow for the closure to be utilized in vials having a tapered socket.

***Allowable Subject Matter***

5. Claim 4 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

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6. Claim 10 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

7. Claims 13,14,16, and 18-21 are allowed over the art of record.

### ***Response to Arguments***

8. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

9. In view of the new grounds of rejection under 35 USC 112, 2<sup>nd</sup> paragraph above, this Office action is made non-final.

10. Applicant is duly reminded that a complete response must satisfy the requirements of 37 C.F.R. 1.111, including: "The reply must present arguments pointing out the specific distinctions believed to render the claims, including any newly presented claims, patentable over any applied references. A general allegation that the claims "define a patentable invention" without specifically pointing out how the language of the claims patentably distinguishes them from the references does not comply with the requirements of this section. Moreover, "The prompt development of a clear Issue requires that the replies of the applicant meet the objections to and rejections of the claims." Applicant should also specifically point out the support for any amendments made to the disclosure. See MPEP 2163.06 II(A), MPEP 2163.06 and MPEP 714.02. The "disclosure" includes the claims, the specification and the drawings.

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Various prior art closures teaching features similar to those disclosed and/or claimed are cited for their disclosures.

12. In order to reduce pendency and avoid potential delays, Group 3720/80 is encouraging

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FAXing of responses to Office Actions directly into the Group at (571) 273-8300. This practice may be used for filing papers not requiring a fee. It may also be used for filing papers which require a fee by applicants who authorize charges to a PTO deposit account. Please identify the examiner and art unit at the top of your cover sheet. Papers submitted via FAX into Group 3720 will be promptly forwarded to the examiner.

13. It is called to applicant's attention that if a communication is faxed before the reply time has expired, applicant may submit the reply with a "Certificate of Facsimile" which merely asserts that the reply is being faxed on a given date. So faxed, before the period for reply has expired, the reply may be considered timely. A suggested format for a certificate follows:

I hereby certify that this correspondence for Application Serial No. \_\_\_\_\_ is being facsimiled to The U.S. Patent and Trademark Office via fax number 571-273-8300 on the date shown below:

Typed or printed name of person signing this certificate

\_\_\_\_\_

Signature\_\_\_\_\_

Date\_\_\_\_\_

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robin Hylton whose telephone number is (571) 272-4540. The examiner can normally be reached Monday - Friday from 9:00 a.m. to 4:00 p.m. (Eastern time).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Stashick, can be reached on (571) 272-4561.

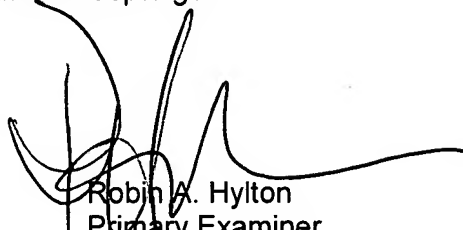
Any inquiry of a general nature or relating to the status of this application or proceeding may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). ). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Other helpful telephone numbers are listed for applicant's benefit:

- Allowed Files & Publication (888) 786-0101
- Assignment Branch (800) 972-6382
- Certificates of Correction (703) 305-8309
- Fee Questions (571) 272-6400
- Inventor Assistance Center (800) PTO-9199
- Petitions/special Programs (571) 272-3282
- Information Help line 1-800-786-9199
- Internet PTO-Home Page <http://www.uspto.gov>

RAH  
July 8, 2007



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Primary Examiner  
GAU 3781